

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau

(43) International Publication Date
4 March 2004 (04.03.2004)

PCT

(10) International Publication Number
WO 2004/018900 A1(51) International Patent Classification⁷: F16G 1/00, 1/28

(74) Agent: MATSUURA, Takashi; Akusan Building, 4th floor, 5-8, Iidabashi 1-chome, Chiyoda-ku, Tokyo 102-0072 (JP).

(21) International Application Number:

PCT/JP2003/010612

(22) International Filing Date: 22 August 2003 (22.08.2003)

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language:

English

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language:

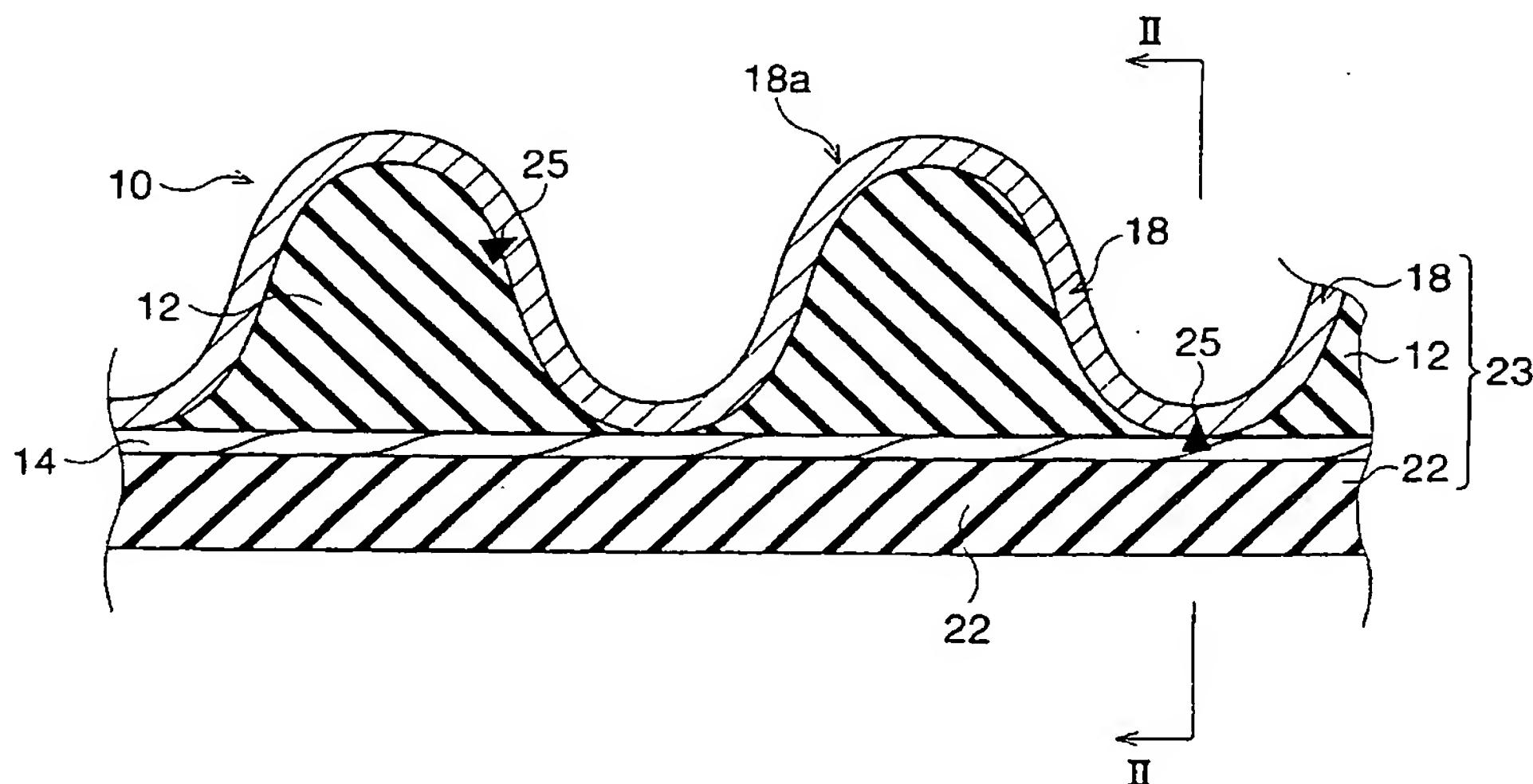
English

Published:

— with international search report

{Continued on next page}

(54) Title: TRANSMISSION BELT AND INDICATION APPARATUS FOR INDICATING THE END OF LIFE OF TRANSMISSION BELT



WO 2004/018900 A1

(57) Abstract: A transmission belt (10) has a contact face (18a) which contacts a pulley when the belt (10) is wound around the pulley. Foreign matter (25) is embedded near the contact face (18a) in the belt (10). The contact face (18a) is worn by the pulley when the belt (10) rotates around the pulley, so that the foreign matter (25) is exposed at the contact face (18a). The foreign matter (25) contacts the pulley to make a warning sound. Due to this, a user of the belt (10) can determine the extent of the wear of the belt (10), and the decrease in the transmissibility of the belt (10) and the pulley.

WO 2004/018900 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.